

IN THE CLAIMS:

Please cancel claims 1-4, 7-17, 19-24, 26-29, 31-34 and 36 without prejudice
amend the claims as follows:

1-4 (Cancelled)

5. (Currently Amended) A method, comprising:
determining at least one initial value of a DC signal of at least one orientation
sensor coupled to at least one ocean bottom cable;
determining at least one current value of a DC signal of the at least one
orientation sensor;

~~The method of claim 1, wherein determining whether the ocean bottom cable has~~
~~moved comprises~~ comparing ~~an~~ the at least one initial value of a the DC signal of the at
least one orientation sensor to a the at least one current value of a the DC signal of the
at least one orientation sensor; and
determining whether the at least one ocean bottom cable has moved based on
the comparison.

6. (Currently Amended) The method of claim 5, wherein the ocean bottom
cable ~~includes~~ comprises a plurality of orientation sensors coupled thereto, and wherein
comparing the at least one initial ~~inclination~~ value of the DC signal and the at least one
current ~~inclination~~ value of the DC signal comprises comparing a plurality of initial
~~inclinations~~ values of the DC signal and a plurality of current ~~inclinations~~ values of the
DC signal of the plurality of orientation sensors.

7-17 (Cancelled)

18. (Currently Amended) A system for carrying out a seismic survey,
comprising:
at least one ocean bottom cable;

at least one seismic sensor coupled to the at least one ocean bottom cable;
at least one orientation sensor coupled to the at least one ocean bottom cable;
and
a signal processing unit capable of:
determining at least one initial value of a DC signal of the at least one
orientation sensor;
determining at least one current value of a DC signal of the at least one
orientation sensor;

~~The system of claim 17, wherein the signal processing unit is capable of comparing the~~
~~at least one initial inclination and the at least one current inclination by comparing an the~~
at least one initial value of a the DC signal of the at least one orientation sensor to a the
at least one current value of a the DC signal of the at least one orientation sensor; and
determining whether the at least one ocean bottom cable has moved
based on the comparison.

19-24 (Cancelled)

25. (Currently Amended) A system for carrying out a seismic survey,
comprising:

at least one ocean bottom cable;
at least one seismic sensor coupled to the at least one ocean bottom cable;
at least one orientation sensor coupled to the at least one ocean bottom cable
~~The system of claim 16, wherein the at least one orientation sensor is at least one of a~~
~~single and a dual axis accelerometer formed on an integrated circuit chip; and~~
a signal processing unit capable of:
determining at least one initial inclination of the at least one orientation
sensor;
determining at least one current inclination of the at least one orientation
sensor; and
determining whether the at least one ocean bottom cable has moved
using the at least one initial inclination and the at least one current inclination.

26-29 (Cancelled)

30. (Currently Amended) An article comprising one or more machine-readable storage media containing instructions that when executed enable a processor to:
determine at least one initial value of a DC signal of at least one orientation sensor coupled to at least one ocean bottom cable;

determine at least one current value of a DC signal of the at least one orientation sensor;

~~The article of claim 29, comprising one or more machine-readable storage media containing instructions that when executed enable a processor to compare an~~ the at least one initial value of a the DC signal of the at least one orientation sensor to a the at least one current value of a the DC signal of the at least one orientation sensor; and
determine whether the at least one ocean bottom cable has moved based on the comparison.

31-34 (Cancelled)

35. (Currently Amended) An apparatus, comprising:
means for determining at least one initial value of a DC signal of at least one orientation sensor coupled to at least one ocean bottom cable;

means for determining at least one current value of a DC signal of the at least one orientation sensor;

~~The apparatus of claim 34, comprising means for comparing an~~ the at least one initial value of a the DC signal of the at least one orientation sensor to a the at least one current value of a the DC signal of the at least one orientation sensor; and
means for determining whether the at least one ocean bottom cable has moved based on the comparison.

36. (Cancelled)